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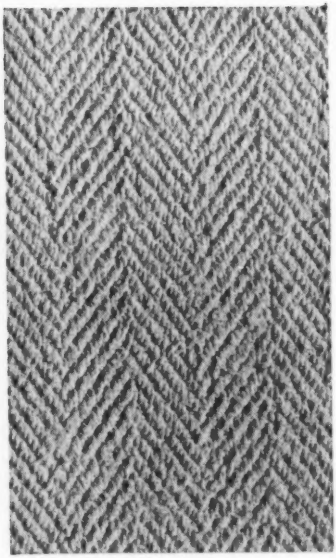

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THANKSGIVING!

This is the thanksgiving month when, on the fourth Thursday, we Americans devote a day to thanksgiving.

First established many years ago, when some of the original settlers, in the New England section, set apart a special day for thankfulness for abundant harvests. Some of the early significance has been lost in the rush of modern living, and many think of Thanksgiving Day as a day to devote to football, a munificent turkey dinner — turkey because tradition tells us that wild turkey, of which there must have been an abundance, was the main dish of that first Thanksgiving.

But aside from tradition, and from modern customs, we in America can be truly thankful for the many blessings which we enjoy. Remember the true meaning of Thanksgiving when following the modern celebrations of the day!

THE COVER PAGE

Our thanks to Mr. Grant V. Wilson, President of Grant V. Wilson, Incorporated, Chicago, Illinois, for the photograph of Canadian Milled Chrysotile Asbestos Fibre from the Thetford Mines District, Quebec, used on our cover page this month.

THE CENSUS OF MANUFACTURES

The final process of tabulating the results of the 1954 Censuses of Business and Manufactures is under way. Preliminary results will soon be published and advance reports will be available for distribution beginning early in November and continuing to the end of the year. Final reports presenting the detailed data will begin coming off the press early in 1956 with the middle of the year as the target date for the completion of the whole job.

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A NEW ASBESTOS DEVELOPMENT IN QUEBEC

(EASTERN ASBESTOS COMPANY LTD.)

*By Oliver Bowles**

Eastern Asbestos Company Ltd., Suite 200, Transportation Building, 132 St. James Street West, Montreal, Canada, is conducting exploration and development work on an asbestos deposit in Portland West Township, Papineau County, Quebec. The deposit is 24 miles north of Buckingham, and about 4 miles from the village of Notre Dame de la Salette. It is many miles from the well-known asbestos belt of the Thetford Mines area and contains a different type of asbestos. It is chrysotile, the same variety as at Thetford Mines, but is lighter in color. In origin and mode of occurrence it resembles closely the asbestos deposits of Arizona. It occurs in a belt of Grenville (pre-Cambrian) dolomitic limestone. The limestone formation is 250 to 300 feet thick, dips about 35° east, and rests upon a granite gneiss. It is overlain by a pegmatite granite, except where this formation has been removed by glaciation or erosion.

The Company controls 800 acres, 14 of which are under development. At the western side of the area under development the limestone is exposed in a bluff 30 or 40 feet high. A horizontal adit has been driven about 300 feet east from the face of the bluff. It intersects 4 serpentine zones carrying cross-fibre veins of chrysotile ranging from hair lines to veins ¾ inch or more across. The zones range in width from 8 to 12 or 15 feet, and dip about 35° east, thus paralleling the bedding of the limestone. The richest sections of the zones contain 15 to 25 percent fiber in veins. The Department of Mines of the Province of Quebec has found that serpentine from the zones carrying no visible fiber veins contains a substantial quantity of short disseminated fiber.

The zones containing fiber appear to be more persistent and continuous in this deposit than in most deposits of the Arizona type. In Arizona the fiber zones are always associated with local diabase instrusive dikes, but

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such dikes are rarely found in the Quebec deposit. It would appear that the serpentinization and fiber formation in the latter deposit have been brought about, not by local, but by general and widespread reactions the nature of which has not yet been determined.

Within the past few months more than 30 core drill holes have been sunk, most of them on 100-foot centers, and to depths of about 250 feet. A few holes were drilled to a depth of 500 feet. The cores have been logged and mapped, and the results indicate that the fiber zones intersected in the drift are present to the east at increasing depth below the surface, Other fiber zones are also intersected. The presence of a fiber reserve large enough to support a small to moderate-sized mining industry for 15 to 20 years is indicated.

The principal mining problem as in Arizona, is the disposition of excessive waste. The fiber-bearing zones are separated by areas of barren rock in widths ranging from 50 to more than 70 feet, that must be removed as waste. However, as the formation is covered by a thin overburden, conditions are favorable for open-pit mining at relatively low cost.

Selective mining will be required. The barren limestone must be discarded, and milling confined as far as possible to rock from the serpentine zones. Preliminary tests show a fiber content in these zones of 15 percent or more, and more comprehensive tests to determine the average fiber content of the most available zones are now under way. The economy of operation will depend largely upon the outcome of these tests.

The fiber is of the low-iron type. The Department of Mines of the Province of Quebec found that the total iron content is only 0.63 percent, and the magnetic iron content 0.3 percent. These figures are considerably lower than those for the Arizona or Southern Rhodesia standard nonferrous fibers. Thus, on the basis of chemical composition the fiber is eminently suitable for electric insulation uses. Such uses generally require fiber of spinning length, some of which is available in the Quebec deposit. The high degree of purity and the white color of the asbestos adapt it remarkably well for filtration, and as a

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Johns-Manville ASBESTOS TEXTILES

component of tile or other products the color of which is important.

This Quebec fiber is exceptionally strong. The writer tested samples at various points underground, and also from surface outcrops, and in every instance they were remarkably strong and flexible. Apparently the deposit contains no brittle or harsh fiber such as is found in some other deposits of this type.

*Consultant, Mining and Geology.

U. S. BUREAU OF MINES PUBLISHES BULLETIN NO. 552 Dr. OLIVER BOWLES, AUTHOR

A most informative Bulletin — No. 552 — has recently been issued by the U. S. Bureau of Mines on Asbestos, It consists of 122 pages and is illustrated by photographs and graphs.

Much credit is due Dr. Oliver Bowles of the Bureau of Mines for the careful and complete manner in which the information has been compiled and presented, and we are sure the Industry will find this general resume of data on asbestos most helpful.

To give our readers an idea of the contents of the Bulletin, the following are some of the chapter headings: Physical Properties, History, Production and Consumption, Domestic Deposits, Foreign Deposits, International Trade, Mining Methods, Milling Methods, Manufacture of Asbestos Products.

There are a number of tables included in the Bulletin giving world production, world consumption, production in various countries, exports from various countries. Asbestos products manufactured in the United States and in other countries, and so on.

The Bulletin may be obtained from the Superintendent of Documents, Washington 25, D. C., at a price of $1.00 per copy. Ask for Bulletin No. 552 on Asbestos.

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ASBESTOS-CEMENT PRESSURE PIPES

(Extracts from the South African Standards Bulletin, May 1955)

Asbestos-cement pressure pipes have been used for many years in the Union by Government, municipal and private enterprises for such applications as fresh and sea-water mains, gas mains, sewerage, and hundreds of other uses in mining, industry and agriculture. The presence of the standardization mark on the greater proportion of South Africa's production of these pipes will, in future, ensure that the product bearing the mark complies consistently with the requirements laid down in the specification of the South African Bureau of Standards; that an effective control system is in operation at the factories concerned; and that tests are conducted on samples as a matter of routine, in order to check the quality of the product.

Asbestos and cement have been developed independently for widely differing uses, and it was not until the early years of the present century that they were combined to form the homogeneous mixture known as asbestos-cement. Asbestos is one of the few known minerals which can be successfully used as a reinforcing agent in Portland cement, the great strength and flexibility of the asbestos fibres conferring a remarkable quality of toughness and tensile strength on the mixture. The asbestos fibres are analogous in their action to the steel reinforcement in normal reinforced concrete structures, but with the advantage that the fine asbestos fibres are intimately mixed with the cement, thus providing a uniform mass of constant strength throughout the body of the material, avoiding any pronounced difference in stress, and any possibility of lack of bond between the cement and the reinforcement.

The experimental manufacture of asbestos-cement pressure pipes was commenced in Italy in 1913. Progress was rapid and by 1921, seamless asbestos-cement pipes were generally accepted for many important water-mains and other pressure services throughout Europe. Shortly afterwards, the British Ministry of Health ap-

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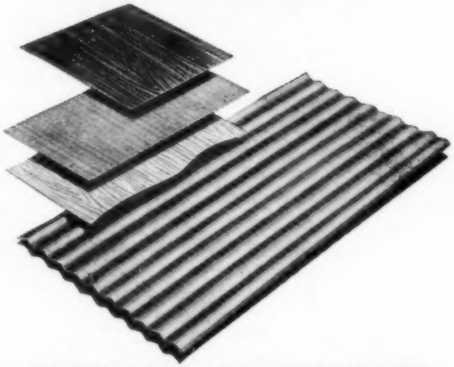

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proved the use of asbestos-cement pressure pipes for water-mains and announced its intention to grant loans for these pipes, with a loan repayment period of 30 years—the full period allowed for cast iron pipes. Asbestos-cement pressure pipes were, therefore, officially placed on a parity with metal pipes in Britain for the conveyance of water under pressure. In 1944, production of asbestos-cement pressure pipes commenced in South Africa at Klipprivier, Transvaal, and today, three factories in the Union are producing these pipes.

South African asbestos-cement pressure pipes are at present produced in diameters from 2 to 24 inches and suitable for working pressure up to 174 pounds per square inch. The standard pipe length is 13 ft. 1½ ins.

Asbestos-cement pressure pipes are manufactured on a costly and complex machine, with all movements hydraulically and electrically controlled from a central control table. The pipe is visible to the operator at all times and is built up of a continuous, uniformly thin and highly compressed film of asbestos-cement. The thickness of the pipe is perfectly regular and should be free from variation or weakness.

From a mechanical stirrer above the machine floor, a mixture of asbestos and cement of light viscocity flows through specially prepared channels, to be picked up on an endless travelling felt by transfer from a sieve of phosphor-bronze. The thin film of asbestos-cement on the traveling felt is conveyed to a polished mandrel of required diameter. The mandrel is placed in the pipe machine and pressure is applied, giving complete cohesion to the successive layers of asbestos-cement until the desired thickness has been built up.

The mandrel with its built-up pipe is removed from the machine and the surface of the pipe calendered. Size, class, date of manufacture and production batch data are then stamped on the wet or green pipe, and when the pipe has set sufficiently the mandrel is withdrawn and the pipe completely immersed in water for curing, to be raised some two weeks later for air maturing.

While the pipes are maturing the ends are cut square with carborundum saws to the standard length required

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by the specification. They are then turned at the ends to ensure exact fitting of the flexible couplings at the joints, and are carefully checked for wall thickness, external diameter and smooth bore.

Before leaving the factory, every pressure pipe is subjected to hydraulic testing at a pressure at least twice the recommended working pressure. The testing pressure is maintained for a period sufficient to detect any possible flaws.

A percentage of the pipes is also tested for bursting pressure to ensure that the material used in the manufacture of the pipes has the requisite tensile strength. In addition, the flexual strength of the smaller diameter pipes is tested. In the laboratory regular control tests are performed to check the quality of the pipe material. Only after they have passed the requisite dimensional and quality tests are pipes which carry the South African Bureau of Standards mark stencilled with the mark as being suitable for use as pressure pipes.

In the field, if non-standard lengths are required, pipes of small diameter can be cut to the right size by means of a portable hand cutting machine, while the ends are turned to the correct outside diameter for the joint by the use of a small turning machine. For domestic needs, the pipes may be drilled and tapped.

The cast-iron joint which is usually met on asbestos-cement pressure pipe-lines laid in South Africa is flexible and consists of a central collar, two flanges and two rubber rings and bolts according to size. This type of joint allows a deflection of up to 7° for small diameter pipes and up to 4° for the larger sizes.

The award of the standardization mark by the Council of the South African Bureau of Standards is not made lightly, an extremely rigorous check on the quality of the products and a careful inspection of the factory is made before permission to use the mark is granted. Municipalities and other bodies who are users of asbestos-cement pressure pipes may rest assured that when, in future, they place orders with the stipulation that the pipes must bear the South African Bureau of Standards mark, the pipes will, in fact, be up to specification.

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AUTOMOBILE FACTS AND FIGURES 35th EDITION

Sixty-one million registered motor vehicles and 72 million licensed drivers in the United States today are piling up mileage at the unprecedented rate of more than 560 billion miles a year, the Automobile Manufacturers Association reports.

This is an average of approximately 9,200 miles per vehicle, and 7,800 miles per driver.

The Automobile Manufacturers Association released these and hundreds of other facts about highway transportation and the automotive industry as it introduced the 35th edition of its annual statistical handbook, AUTOMOBILE FACTS AND FIGURES.

The 80-page booklet of charts, tables and indexes, covering a wide range of subjects relative to motor vehicle production and use, also includes a special feature which is a 15-page section devoted to highway subjects.

We list below some of the highlights:

Motor vehicle registrations and travel mileage on the nation's highways are due to increase more than 33 per cent by 1965.

Inadequate roads today are costing the U. S. motorists more than $5 billion per year.

To correct road inadequacies, $101 billion will be needed for highway construction during the next 10 years.

Half of the anticipated traffic growth in the coming decade will be on the 40,000-mile Interstate Highway System.

Highway construction and maintenance costs per mile have doubled since 1941.

California leads all states in automobile registrations, with a 1954 total of 4,879,210. New York State is second with 3,893,980.

Many of our readers may wish to obtain a copy of this interesting booklet. Write, Automobile Manufacturers Association, New Center Building, Detroit, Michigan for a copy.

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DROP-TANKS FOR AIRCRAFT MOULDED IN PHENOLIC/ASBESTOS

It is well known that for a number of years considerable development and production has been carried out by the Bristol Aeroplane Co., Ltd., Filton, Bristol, England on glass-reinforced plastics for secondary aircraft parts such as radomes, ducting, wing tips and for tooling. Another rapidly expanding activity, and one of particular interest because it is the first large-scale application of plastics to a primary aircraft structure, is the production of phenolic asbestos drop tanks. Production of these tanks to the order of the Ministry of Supply follows on the decision that new British military aircraft and, where possible, all eristing aircraft requiring such equipment to increase their operational range should have provision for the fitting of a standard size drop-tank to replace individual tanks suitable only to one type aircraft. To date, at least one type of platics tank developed by Bristol has received full design approval and substantial production orders.

Drop-tanks are required in large numbers and form an important and costly item in the inventory of a modern air force. In fact it has been stated that they constituted the largest single item of expenditure by the United States Air Force during the Korean War where thousands of tanks each costing between £200-£300, were expanded each week.

The first cost of a plastic tank is estimated to be 25-30% less than its equivalent in aluminum and in some cases the saving can be much greater depending upon the design of the tank and the scale of production. Standardization of design permits material savings in labor and cost to be obtained in production and considerably simplifies the problems of supply. Standard sizes so far investigated at Bristol have capacities of 50, 100, 150, 200, 300 and 500 gallons. A further degree of standardization has been achieved in that the front and the rear shells of the 100 and 150-gallon tanks are the same; the larger tank has a greater capacity through having a longer centre section. A feature of the 200 and 300-gallon tanks is that they have common front and rear shells.

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ASPHALT AND ASBESTOS BUILDING MATERIALS

It is interesting to note that the tanks have been developed as a logical sequence to the company's work on plastics for primary structures and that the techniques used for production— the moulding of cylindrical fuselage sections by the autoclave process and the hydraulic press methods used for central sections and frames—have both been found readily adaptable for the manufacture of drop-tanks, where the former process is used for the shell and the latter for the internal structure.

The tanks consist of three main shell sections with high-pressure moulded internal frames which are assembled by hot gluing. The complete manufacturing process has been planned with the object of using the simplest possible tools for processes and to eliminate elaborate plant and skilled labor. In view of the large volume of production envisioned, considerable work was also carried out in the development stages to find the most suitable grade of phenolic/asbestos material for the tanks. Long-fibred asbestos impregnated with p.f. resin in the form of a felt is the material generally used in aircraft work, where high strength characteristics are required. The chrysotile fibres from which this asbestos felt is made are in somewhat short supply, however, and would, therefore, possibly fail to meet the demands of large production. Short fibres on the other hand, from which a grade of felt having a slightly lower strength is manufactured, are in plentiful supply and by virtue of careful design it has been found that tanks of adequate strength can be produced in this material. It has now been standardized in production.

The basic aerodynamic shape of the standard tank was the work of the Royal Aircraft Establishment, Farnborough, but the structural design, manufacturing methods and tooling processes have been entirely developed at Bristol. Good jettison characteristics are ensured by fitting a fin at the rear of the tank to counteract any pitching movement as the tank falls away from the aircraft. In conformity with the tank the fins are pressure moulded in phenolic/asbestos, but it is perhaps interesting to note that during development glass-reinforced fins were used with success.

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meet the requirements of varying designs is made by use of bonded-in connectors. Provision is also made for the quick fitment of an automatic float switch which cuts off the fuel supply when using pressure refueling methods. The pick-up point is also bonded into the tank during manufacture and is designed to fit the standard bomb or underwing stores attachment point of the aircraft. For high-speed aircraft an important advantage claimed for the plastics tanks is that they can be manufactured to give a finer surface than aluminum tanks and can be painted in any finish or camouflage required. Tests have shown that fully cured phenolic/asbestos is unaffected by extremes of temperature and humidity, and Bristol tanks have in fact been operational in Africa. To increase erosion resistance, however, a metal cap, is moulded integrally with the nose shell of the tanks.

As previously mentioned, the tanks are made in sections consisting of an elliptical nose shell, a parallel centre shell which also carries the attachments points, and a tapered rear shell. This design was chosen to give optimum in ease of storage and to reduce assembly time in the field to a minimum. In this way, the shells of several tanks can be nested together to give a nesting ratio a little above 3:1, while the shell sections and the detachable tail fin, if it is used, can be assembled by a simple bolting operation. Adhesive joints are not required and it is claimed that the tanks can be assembled in the field by two or three unskilled men, in about 10 or 15 minutes, with the simplest of tools.

In addition to the standard tanks, plastics versions of special tanks for certain aircraft types already in production have been developed. These tanks, although identical in shape and comparable in weight with their metal counterparts, cost considerably less. Special tanks include a 250-gallon wing-tip tank for the English Electric Canberra, a pylon tank for the Hawker Sea Hawk and a pylon and tip tank for the de Haviland Venom. Design and development is proceeding with plastics tanks for the majority of front-line aircraft.

(Reprinted from "British Plastics", Feb. 1955)

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MARKET CONDITIONS

GENERAL BUSINESS.

General business continues good. The stock market reacted rather sharply to news of the President's illness but on the business front a feeling of calm confidence prevailed. The general feeling seems to be that the boom will continue at least well into 1956. For some industries business is rather spotty and as has been noted here previously competition even in the busiest industries is still very keen both as to price and deliveries. The less efficient producers in practically every field are finding it more and more difficult to survive in this era of rapid technological advancement.

ASBESTOS — RAW MATERIAL.

Asbestos fibre shipments are continuing to run approximately 13% to 15% above the volume to date last year.

With the approach of the closing of the St. Lawrence ports, an increase in export volume is expected until navigation closes sometime in December.

Very appreciable capital outlays by major producers have put the industry in position where the rapidly growing demand can be met, and with only the longest fibres as exceptions, all grades are in adequate supply.

ASBESTOS — MANUFACTURED GOODS.

Asbestos Textiles. The textile market is fair but an increase is expected. The wire industry is showing more than normal activity for this time of year.

Asbestos Brake Lining. The replacement parts industry remains approximately 15% ahead of last year, to date. The customary slow down is expected for December in order to avoid inventory tax, but should be good up to that time.

Asbestos Paper. The demand for this product remains constant although the commercial paper business is very competitive. A sizeable increase in tonnage is expected over last year. There seems to be a further slackening off on the market for asbestos *millboard* and there is strong competition for that which is available. Many orders for *Saturated Paper* are being received but demand

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does not equal production.

Insulation. High Pressure. The tendency noted last month for work which has been delayed to start has increased, with result that factories are busier. However, both the F.O.B. and Contract markets remains highly competitive.

Insulation. Low Pressure. There has been little change in the market situation. Demand for Low Pressure continues at a good rate, reflecting the high level of activity in the building construction field.

Asbestos Cement Products. This market remains seasonally strong.

The roofing and siding order replacements to date are slightly lower than for the same period in September. The market continues steady with normal seasonal influences.

At the present time demand for corrugated and flat exceeds ability to produce.

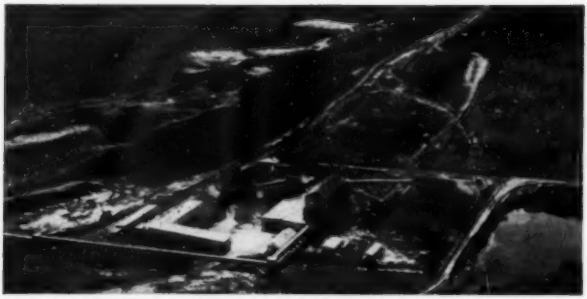
The sales of Pressure and Sewer Pipes continue at a good rate. Sales of House Pipes and Electrical Conduits are still strong.

The above comments have been made by various informed executives in the Industry. All comments are welcome.

The construction industry will play a major part in atomic progress in the next few years. This is evidenced again by the preliminary exhibitors list for the big Atomic Exposition in conjunction with the U. S. Nuclear Congress in Cleveland, December 10 to 16. Peacetime applications of atomic energy and related nuclear applications are to be featured in this exposition. Some 26 technical societies and management groups with a membership in excess of 400,000 are participating in the Congress.

Equipment to be displayed ranges from atomic power reactors and related equipment to remote control handling equipment, instruments and various types of gages, inspection devices, etc., using isotopes as the source of energy. Because of the rapid development of peacetime uses of the atom, much of the equipment will be getting its first public showing during the Cleveland exposition.

FLINTKOTE MINES LIMITED



View of site at Thetford Mines, Quebec

Modern, self-propelled drilling equipment

Electric shovel and huge diesel truck at the Flintkote Thetford Mine

Flintkote... a major asbestos producer ... now offers asbestos fibres for sale. Inquiries should be addressed to

Flintkote Mines Limited
(subsidiary of The Flintkote Company)
Thetford Mines, Quebec, Canada

BUILDING

Tightened housing credit showed definite results in reduced residential building contract volume in September, according to F. W. Dodge Corporation in announcing its dollar volume of Dodge Reports for last month.

For the first time since December 1953, Dodge's monthly residential classification failed to show a gain over the corresponding month of the year before. The residential total of $733,382,000 for last month was down 6 per cent from September 1954.

The Dodge Reports show contract awards for future construction in the 37 states east of the Rockies.

However, Dodge's grand total of building and engineering contracts for September was $2,034,895,000, up 12 per cent above September 1954. It was the 17th successive month to show a gain over the corresponding period of the year before.

Nonresidential building contracts amounted to $708,803,000, up 10 per cent above the September 1954 total. Utilities and public works totalled $592,710,000, up 51 per cent above the corresponding month last year.

The nine-month construction contract total of $18,165,044,000 was 25 per cent above the nine-month total last year, and closely approached the record-breaking total of $19,770,207,000 for all of 1954.

For nine months, nonresidential building contracts were $6,415,408,000, up 22 per cent; residential contracts were $7,965,550,000, up 29 per cent; and utilities and public works totalled $3,784,086,000, up 25 per cent.

IMPORTANT NEW BOOK

ASBESTOS

Its Origin, Production, and Utilization.

By W. E. Sinclair, M.I.M.M.

This book brings together in one volume a mass of information on this mineral and its industrial significance.

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AUTOMOBILE SALES

	September 1955
Passenger Cars	467,845
Motor Trucks	91,894
Motor Coaches	223
	559,962

In September 1954, a total of 369,942 were sold. In the nine months of 1955 the total was 6,908,079.

These figures were supplied by the Automobile Manufacturers Association, New Center Building, Detroit, Mich.

PHILLIPS ASBESTOS MINES

Producers of

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and

FIBERIZED ASBESTOS

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In Canada

CAPE ASBESTOS (Canada) Ltd.

200 Bloor Street East, Toronto, Ontario

Canada

(Department of Mines, Province of Quebec)

Tons 2000 lbs.

Production for August 1955 (Quebec)	94,097 tons
Other Provinces	4,703 tons
	98,800 tons

Total production for August 1954 was 80,783 tons.

Africa (Rhodesia)

(Published by Rhodesian Chamber of Mines)

Tons 2000 lbs.

Production for June 1955	8,431.85 tons
Valued at	£578,213
Production for June 1954	6,932.33 tons
Valued at	£503,793

Australia—Statistics

(Published by Bureau of Mineral Resources, Geology and Geophsics, Department of National Development)

Tons 2240 lbs.

Production

	Quarter ending March 31, 1955
Chrysotile	207 tons
Crocidolite	757
	964

Imports

Amosite	2,744 tons
Chrysotile	7,363
Crocidolite	36
Other	28
	10,171

Exports

Chrysotile	27 tons
Crocidolite	749
Other	165
	941

CENTRAL ASBESTOS CO. LTD.

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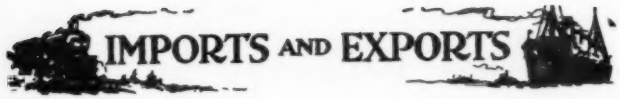

Imports Into U. S. A.

(Figures by Bureau of Census)

Unmanufactured Asbestos — By Countries

	June 1955 Tons (2240 lbs.)
From: Canada	60,804
Union of South Africa	1,745
Other Countries	43
	62,592
Valued at	$5,322,667

By Grades:

Crude No. 1, Chrysotile	6
Crude No. 2, Chrysotile	13
Crude, Other Chrysotile	5
Crude, Blue, Union of S. Africa	894
Crude, Amosite, Union of S. Africa	749
Textile Fibres, Chrysotile, Canada	1,148
Textile Fibres, Chrysotile, U. of S. Africa	102
Textile Fibres, Chrysotile, Other Co'tries	14
Shingle Fibres, Chrysotile, Canada	6,287
Paper Fibres, Chrysotile, Other Countries	5
Other Fibres, Chrysotile, Canada	47,699
	62,592

Manufactured Asbestos Goods:

	June 1955 Quantity (Lbs.)	Value
Asbestos Yarn, Canada	10,801	$14,627
Asbestos Yarn, United Kingdom	33,042	26,178
Asbestos Yarn Other Countries	2,641	3,197
Asbestos Packing & Lining	3,429	3,612
Asbestos Shingles (Impreg.) Canada	245,306	17,007
Asbestos Singles (Not. Impreg.) Canada	4,108,715	340,224
Asbestos Shingles (Not Impreg) Italy	534,739	23,215
Asbestos Manufactures — Others	.....	3,906
	4,938,679	$431,966

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CANADA

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Raw Asbestos Crudes

& Fibres

Sales Representatives

for

Cassiar Asbestos Corporation Limited

Exports From U. S. A.

(Figures by Bureau of Census)

Unmanufactured Asbestos:

	June 1955 Tons (2240 lbs.)	Value
To: Europe	149	$10,223
Canada	14	4,660
Mexico	18	3,676
South America	56	10,500
	237	$29,059

Manufactured Asbestos Goods:

	Quantity	June 1955 Value
Asbestos Pipe Covg. & Cement	Lbs. 334,212	$55,207
Asbestos Textiles & Yarn	Lbs. 54,744	45,932
Asbestos Packing	Lbs. 140,575	155,415
Asbestos Clutch Facings	No. 85,404	60,412
Asb. Bk. Lng. (Mld. & S. Mld.)	Lin. Ft. 169,691	63,790
Asbestos Bk. Lng. Rolls	Lin. Ft. 11,906	16,574
Asbestos Bk. Lining — Other	Lbs. 278,138	248,152
Asbesos Construction Materials	Lbs. 3,032,463	312,398
Asbestos Manufactures — Others		33,503
		$991,383

Imports of Asbestos by United Kingdom

Raw Material

	August 1955 Tons (2240 lbs.)
From: Union of South Africa	2,073
Basutoland, Bechuanaland and Swaziland	512
Rhodesia and Nyasaland	4,183
Canada	5,717
Other Commonwealth Countries and the Irish Republic	307
Foreign Countries	120
	12,892

Imports for the first eight months of 1955 were 91,668 tons, compared with 81,948 tons for the same period in 1954.

These figures were supplied by Reuters Economic Services, Johannesburg.

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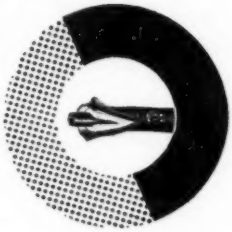

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UNION ASBESTOS AND RUBBER COMPANY

332 SOUTH MICHIGAN AVENUE — Chicago 4, Illinois

Exports from Canada

Published by Dominion Bureau of Mines

Unmanufactured Asbestos

Crude

United States	7	$ 6,329
United Kingdom	5	6,500
South America	....	....
Central America & Mexico	....	....
European Countries	7	5,342
Other Countries	2	1,454
	21	$ 19,625

Milled

United States	14,994	$2,510,075
United Kingdom	3,822	830,394
South America	1,444	269,550
Central America & Mexico	638	97,232
European Countries	8,544	1,467,732
Other Countries	4,072	668,794
	33,514	$5,807,777

Shorts

United States	47,378	$2,265,726
United Kingdom	4,208	191,832
South America	330	20,801
Central America & Mexico	232	10,795
European Countries	6,132	351,111
Other Countries	1,100	84,758
	59,380	$2,925,023
Grand Total—Unmanufactured Asbestos	92,915	$8,752,425

Manufactured Asbestos Goods:

Brake Lining	$ 34,155
Packing	1,193
Other Materials	142,437
	$ 177,785

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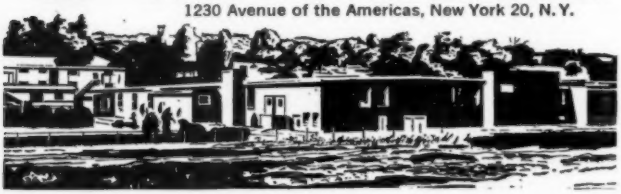

NEWS OF THE INDUSTRY

HAPPY BIRTHDAY

J. E. Fleming, Manager, Kelley Asbestos Products Co., Kansas City, Mo., November 16.

A. J Scanlan, President, American Asbestos Textile Corporation, Norristown, Pa., November 21.

M. P. Berney, President, Southern Insulation Corp., Memphis, Tenn., November 22.

J. A. Marcotte, General Sales Manager, Asbestos Corporation Ltd., Thetford Mines, Canada, November 22.

Daniel S. McGuire, President, Asbestos Asphalt Insulation Inc., Chicago, Ill., November 23.

Alvin C. McCord, President, McCord Radiator & Mfg. Company, Detroit, Mich., November 24.

L. W. Dennis, President, Cape Asbestos (Canada) Ltd., Toronto, Canada. November 27.

Thomas C. Young, President, Pacific Rfg. Co., Portland, Oregon November 28.

Frank N. Grossman, Secretary, Arnold Insulations Inc., Chicago, Ill, November 28.

R. E. Kramig, Senior Partner, R. E. Kramig & Company, Cincinnati, Ohio, November 29.

Jack Ordway, Jr., Vice President, MacArthur Company, St. Paul, Minn., November 29.

W. L. Spielberger, Director in Charge of Finances, Keasbey & Mattison Company, Ambler, Pa., November 30.

Frank G. Ruggles, President, Frank G. Ruggles & Company, New York City, December 2.

Harvey D. Burgstresser, Philadelphia Asbestos Company, Philadelphia, Pa., December 3.

Irving Kevelson, Ace Asbestos Mfg. Company, Jersey City, N.J., December 4.

D. A. McMillan, Vice President, Gulf States Insulation Company, Mobile, Ala., December 4.

Victor Mauck, President, Nicolet Asbestos Mines, Norristown, Pa., December 6.

P. M. Berry, Secretary & Treasurer, Standard Asbestos Mfg. Company, Cleveland, Ohio, December 8.

E. J. Fasold, Secretary, The Philip Carey Mfg. Company, Cincinnati, Ohio, December 8.

Kenneth MacLellan, Managing Director, George MacLellan & Company, Ltd., Glasgow, Scotland, December 8.

J. C. McKendry, President, Niagara Asbestos Company, Buffalo, N. Y., December 10.

D. W. Widmayer, Vice President & Director in Charge of Sales, Keasbey & Mattison Company, Ambler, Pa., December 12.

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ARIZONA CHRYSOTILE CRUDES

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FILTERATION FIBRE

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John O. Camp, Vice President, Southern Friction Materials Company, Charlotte, N. C., December 13.
George P. Grossman, President, Asbestos Products Company, Inc., Lakewood, Ohio, December 13.
Fred Lee Johnston, Superintendent, Southern Friction Materials Company, Charlotte, N. C., December 13.
Joseph Poulin, President & General Manager, Asbestos Corporation Ltd., Montreal, Canada, December 15.

To all these gentlemen we extend best wishes and congratulations on the occasion of their birthdays.

ASBESTOS TEXTILE INSTITUTE

ANNUAL MEETING

The eleventh annual meeting of the Asbestos Textile Institute was held at the Essex House, New York City, September 7 and 8. The first day of the meeting was devoted to divisional sessions concerned with the activities of the Air Hygiene, Sales Promotion and Technical Committees. The General meeting was held on September 8, with a full representation of the membership in attendance. Each committee chairman presented a report covering the activities of the respective committees and the over-all program of endeavors currently under consideration by the Institute was reviewed. The work of the Institute continues to expand with the ever increasing industrial technoligical developments which call for more and better materials that will provide improved elevated temperature serviceability characteristics. Reports offered on this challenge and efforts being directed on many fronts serve to indicate that the asbestos textile industry is in a position to satisfactorily service the requirements as they are known at this time.

At this meeting there was also held the annual election of members to serve on the Board of Governors for 1956 and the officers to serve the Institute during the ensuing year. The following were elected to serve on the Board of Governors: *A. J. Scanlan*, American Asbestos Textile Corp.; *J. G. Schoepf*, Asten-Hill Mfg. Co; *F. J. Wakem*, Johns-Manville Corp; *D. W. Widmayer*, Keasbey & Mattison Co; *G. W. Marshall*, Raybestos-Manhattan, Inc.; *G. S. Fabel*, Southern Asbestos Co.; *W. H. Fehrs*, Union Asbestos & Rubber Co.
ant Treasurer.

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Dependable precision in heat insulation, to meet modern engineering demands! Pabco "Precision Molded" 85% Magnesia combines time-tested superiority with precision molding — close tolerances, controlled sizes, light weight, uniform texture!

SAVES MAN HOURS

Thus, Pabco is faster to apply! Easier to lift, quicker to cut and score, simpler to embed tie wires! You get Precision fit— pipe sizes and blocks *molded* to exact size!

PABCO PRODUCTS INC.

INSULATION DIVISION

San Francisco 19 New York 16

Manufacturers of Heat Insulation since 1920

NEW LAFAYETTE ASBESTOS CO. LTD.

The New Lafayette Asbestos Co. Ltd., is the new organization of the old Lafayette Asbestos Company, the office of which was and is still in Montreal and the property, in St. Odilon de Crambourne. The change was made in June.

Further diamond drilling to outline the asbestos deposit on the company's property has been approved by directors of New Lafayette Asbestos Co. Holdings are located near St. Odilon de Crambourne, in Dorchester Co., Eastern Twps., district of Quebec.

The decision to carry out further drilling is based on the results obtained in an adit being driven, and surface trenching being performed on the property. This work has indicated a good quality of asbestos. The company has also appointed a resident engineer, G. Verreault, to supervise the program under the direction of P. E. Dumont, consulting engineer.

New tests have been made by the Department of Mines of the Province of Quebec, in Thetford and have proven even better than was hoped for, both in quantity and quality. Further announcement will be made.

The new Board of Directors are: Messrs: *Louis Vachon, Cyriaque Martel, J. Marius Lord, J. A. Vachon, Paul E. Frechette, Arthur Marcoux, Raymond Vachon, Dr. Paul Gilbert* and *Jacques Landry.*

PABCO ELECTS NEW VICE PRESIDENT AND GENERAL SALES MANAGER

At a meeting of the board of directors of Pabco Products Inc., following the annual stockholders meeting, *Edwin W. Fish,* was elected vice-president and general sales manager in charge of all the company's marketing activities.

Mr. Fish, who joined Pabco in December 1953, has been serving as vice-president and general merchandising manager. Formerly he held executive positions with Foote, Cone and Belding and United States Gypsum Company.

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TRANSVAAL BLUE

Baboon Asbestos Co.

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Grades: TD1, TD2, TD3, TD4

JOHNS-MANVILLE
Third Quarter Report

Sales, total earnings and earnings per share of common stock for the third quarter of 1955 were the highest for any quarter in the history of Johns-Manville, according to a report issued by L. M. Cassidy, Chairman of the Board.

Consolidated earnings of Johns-Manville Corporation and subsidiary companies for the third quarter of 1955 were $7,178,801, compared with $4,683,520 for the corresponding period last year.

Sales for the third quarter of 1955 were $76,171,907, compared with $67,884,164 for the third quarter of 1954.

Earnings per share of common stock were $2.25 for the third quarter, compared with $1.47 for the third quarter last year.

For the year to date sales were $207,892,376 and earnings were $16,441,242 or $5.16 per common share, compared with sales of $184,612,937 and earnings of $12,711,589, or $4.00 per common share for the first nine months last year.

CAREY CREATES NEW DIVISION

The Philip Carey Mfg. Company recently announced the creation of a new eastern division. This division includes the sales districts of Charlotte, N. C.; Boston, Massachusetts; New York, New York; and Philadelphia, Pennsylvania and the manufacturing facilities at Perth Amboy, New Jersey.

To fill the important post of general manager is *C. E. Howard* with headquarters at Perth Amboy. He has a background of many years of experience in the construction field and is widely known in building materials circles.

Mr. Howard joined Carey in 1937 as a salesman and has held posts as Philadelphia District Manager, Sales Manager at Perth Amboy and New York District Manager.

J-M PACKINGS AND FRICTION MATERIALS DIVISION
New Appointments

Three appointments to the newly created Johns-Manville Packings and Friction Materials Division are: *Philip D. Cannon*, Production Manager; *Edward H. Wells*, Merchandise Manager; and *Clarence C. Simoni*, General Sales Manager.

Mr. Wells and Mr. Simoni also have been elected Vice Presidents of Johns-Manville Sales Corporation, while Mr. Cannon continues as Vice President of Johns-Manville Products Division, a post he has held since 1950.

WANTED

Representation for asbestos products in the New York area. Thirty years experience in trade covering all phases of the Asbestos Industry including Raw Asbestos. Address Box No. 11-K-NY, "ASBESTOS", 807 Western Saving Fund Bldg., Phila. 7, Pa.

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Importers of South African Asbestos

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45 W. 45th Street New York 19, N. Y.

UNION ASBESTOS & RUBBER CO.

25-YEAR CLUB

Twenty-three of the 26 members of the Union Asbestos and Rubber Company's 25-Year Club attended the club's annual dinner meeting at the Sheraton-Blackstone Hotel, Chicago on October 14. Club members have a total of 745 years service.

Four new members, inducted into the club and presented with watches, were *Miss Adeline Freimuth*, secretary to the sales manager of the Heating and Cooling Division; *Arthur E. Engelland*, cost accountant at the Blue Island plant; *George A. Novak*, plant manager of the Bloomington, Illinois, plant; and *John J. Frazer*, supervisor of the packing department, Bloomington.

Diamond studded membership pins were presented to six members with more than 30 years service. They included *Louis Stein, Adolph Titz, Miss Florence Smith, Joseph Welcing, John Tietz, John S. Lunsvall and Charles L. Moorman.*

CURRENT RANGE OF PRICE

As of November 10, 1955

Arizona—	Per Ton of 2,000 lbs., f.o.b. Globe, Arizona		
No. 1 Crude (soft)	$1,500.00	to	$1,750.00
No. 2 Crude (soft)	900.00	to	1,050.00
No. 3 Crude (soft)	400.00	to	450.00
Filter Fibre (soft)	250.00	to	450.00
No. 1 Crude (semi-soft)	1,200	to	1,500.00
No. 2 Crude (semi-soft)	900.00		
No. 3 Crude (semi-soft)	400.00		

Canada—	Per Ton 2000 lbs. f.o.b. Mine		
Group No. 1 (Crude No. 1)	$1,100.00	to	$1,500.00
Group No. 2 Crude No. 2; Crude Run-of-Mine and Sundry	500.00	to	1,000.00
Group No. 3 (Spinning Fibre)	300.00	to	525.00
Group No. 4 (Shingle Fibre)	150.00	to	200.00
Group No. 5 (Paper Fibre)	100.00	to	140.00
Group No. 6 (Waste, Stucco or Plaster)			77.00
Group No. 7 (Refuse or Shorts)	35.00	to	70.00

Vermont— Per Ton of 2000 lbs. f.o.b. Hyde Park or Morrisville, Vt.			
Group No. 3 (Spinning & Filtering)	$ 321.00	to	$ 348.00
Group No. 4 (Shingle Fibre)	156.00	to	173.00
Group No. 5 (Paper Fibre)	109.00	to	132.00
Group No. 6 (Waste, Stucco or Plaster)			77.00
Group No. 7 (Refuse or Shorts)	37.00	to	68.50

Complete Plants for making

ASBESTOS CEMENT PIPES

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Automatic Pipe Testing Machines — Precision Steel Mandrels
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THE COLONIAL SUGAR REFINING CO. LTD.

SYDNEY, AUSTRALIA

Sole Distributors for

AUSTRALIAN BLUE ASBESTOS LIMITED, PRODUCERS OF AUSTRALIAN RAW BLUE ASBESTOS. MINES AT WITTENOOM, W.A.

SOLE SELLING AGENTS

Argentine, Belgium, Brazil, Denmark, France, Egypt, Great Britain, Holland, India, Italy, Norway, Pakistan, Portugal, Spain, Sweden, Switzerland.	**Minerals Fibres Ltd., Market Buildings, Mark Lane, LONDON.**
Austria, Czechoslovakia, Germany, Hungary, Japan, Poland, Yugoslavia.	**Carters (Merchants) Ltd., Winchester House, Old Broad St., LONDON.**

Australian Blue is an ideal fibre for asbestos cement and for purposes requiring good heat insulation and acid resistance. It possesses excellent spinning properties. Samples are available upon request.

UNITED STATES RUBBER COMPANY
Nine Months Report

United States Rubber Company set a new record in net sales and, despite flood loss of nearly 12 million dollars, came close to its record in net profit in the first nine months of 1955, according to a report to stockholders recently released.

Net sales for the nine months totalled $688,775,620, compared with $587,269,614 in the same period last year and the previous record of $657,393,028 set in 1953.

Net profit for the three quarters was $22,290,861, compared with $20,084,571 in 1954 and the record of $22,428,878 in 1951.

Net profit was equivalent to $3.47 a share of common stock and 3.2 per cent of sales, compared with $3.05 and 3.4 per cent in 1954.

ASBESTOS STOCK QUOTATIONS

These figures are compiled from the Commercial & Financial Chronicle. No guarantee as to their correctness.)

		October 1955		
	Par	Low	High	Last
Amer. Br. Shoe (Com.)	np	36⅝	41¼	37⅜
Amer. Br. Shoe (Pfd.)	100	104⅞	106	106
Armst. Ck. (Com).	1	26⅛	31⅝	31½
Armst. Ck. (Pfd.)	np	98½	101	101
Asbestos Corp. (Com).	np	36	41½	38
Carey (Com.)	10	25¼	27	26
Cassiar Asb. Corp.	np	$7.60	$8.30	$8.00
Celotex (Com.)	np	31⅜	34½	33½
Celotex (Pfd.)	20	19	19½	19½
Certainteed (Com.)	1	24¼	26½	26
Dominion Asb. Mines	1	18c	20c	18½c
Flintkote (Com.)	np	38	40	38⅞
Flintkote (Pfd.)	np	100¾	104	104
Johns-Manville (Com.)	np	77½	84½	83¼
Natl. Gypsum (Com.)	1	47¾	54	49⅝
Natl. Gypsum (Pfd.)	np	102½	103½	103¼
Pabco Products (Com.)	np	30⅛	35⅞	35⅞
Pabco Products (Pfd.)	100	103	113	111
Ray-Man (Com.)	np	54¼	56½	56½
Ruberoid (Com.)	1	35⅛	38¼	35½
Thermoid (Com.)	1	10⅞	12½	11⅞
Thermoid (Pfd.)	50	45⅛	46½	46½
Union Asb. & Rub. (Com.)	5	7⅛	7¾	7⅜
United Asb. (Com.)	1	$6.45	$7.35	$6.60
U. S. Gypsum (Com.)	20	281	300	286
U. S. Gypsum (Pfd.)	100	177¼	181	179½
U. S. Rubber (Com.)	5	43¾	46⅝	44⅝
U. S. Rubber (Pfd.)	100	159½	169¾	169¾

TURNER & NEWALL LTD

RAW ASBESTOS DEPARTMENT

FOR CANADIAN, RHODESIAN
AND SOUTH AFRICAN ASBESTOS

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GOLDEN AGE REPORTS ON ASBESTOS WORK

Golden Age Mines has indicated a large tonnage of asbestos bearing material at its property in the Eastern Townships area of Quebec, it is said in the annual reports.

The company's property is regarded as one unit with that of Standard Asbestos Co. Golden Age has an option to purchase 900,000 of the 1,168,700 shares presently issued of Standard. It now holds 290,524 Standard shares.

A tonnage of11,500,000 tons was indicated by six drill holes in the central portion of the property according to a consulting geologist's report. These holes were drilled parallel to one another. All have revealed asbestos fibre in varying amounts. Recommendation has been made to bulk sample this area. This has not yet been carried out, says J. A. Robb, president, in the report. It should be given consideration, he says.

Bulk sampling and test milling were carried out from material in the eastern portion of the property, which also had been tested by surface drilling. Four pits were dug from which 1,160 tons of material was extracted. A total of 1,053 tons was milled. The bulk sample test was carried out at the mill of Continental Asbestos at Coleraine, Que. The milling gave a 1.76% average fibre recovery for the four pits.

This asbestos fibre was of the grades 3R to 7R, the higher percentage was in the lower grades. Rotap analysis showed that the recovery could be higher with a mill properly adjusted for treatment of low grade fibre. It is estimated that recovery of 7-8% fibre could be obtained from the type of material found on this part of the property. Although the higher percentage of recovery was in the low grade fibres commonly called "shorts", the percentage of groups 4, 5 and 6 will probably increase below the surface.

ASBESTOS-CEMENT MACHINERY

Wet machines with Auxiliaries for the production of 24" to 48" wide, flat or corrugated sheets in commercial lengths.

Fiberizing Equipment, Rotary Cutters, Wet and Dry Trimmers, Finishing and Texturing Machines.

Your inquiries are most welcome

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AMERICAN BRAKE SHOE CO.
Third Quarter Report

Net earnings of American Brake Shoe Company for the year's third quarter were 43% above the total for the same period in 1954.

The net earnings total for the quarter was $1,034,460, equal to 76 cents per share of common stock, compared with $724,712 or 48 cents per common share for the corresponding 1954 quarter.

Net sales for this year's third quarter were $36,118,821, compared with $24,385,951 for the same three months last year. Net sales for 1955's first three quarters were $102,897,687, compared with $83,358,802 for the same period in 1954.

Net earnings for the first nine months of 1955 were $4,063,967 equal to $3.14 per common share, compared with $3,248,562 or $2.42 per common share for the same period of 1954.

THERMOID ELECTS VICE PRESIDENT

The Thermoid Company has elected *J. Robert Keach* as a vice president.

Mr. Keach has been manager of the industrial rubber sales division since he joined the company in August 1953. He has had more than thirty years' experience in the rubber industry.

» ATLANTA «

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Importers, Exporters, Processors
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Every Use

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STATEMENT REQUIRED BY THE ACT OF AUGUST 24, 1912, AS AMENDED BY THE ACTS OF MARCH 3, 1933, AND JULY 2, 1946 (Title 39, United States Code, Section 233) SHOWING THE OWNERSHIP, MANAGEMENT, AND CIRCULATION OF

"ASBESTOS" (Insert exact title of publication) published Monthly (State exact frequency of issue)

at Philadelphia, Pa. (Name of post office and State where publication has second-class entry) for October, 1955

1. The names and addresses of the publisher, editor, managing editor, and business managers are:

	Name	Address
Publisher	Secretarial Service	807 Western Svg. Fund Bldg., Phila. 7, Pa.
Editor	E. E. Cox	4807 Chester Ave., Phila. 43, Pa.
Managing editor	E. E. Cox	4807 Chester Ave., Phila. 43, Pa.
Business manager	E. E. Cox	4807 Chester Ave., Phila. 43, Pa.

2. The owner is: (If owned by a corporation, its name and address must be stated and also immediately thereunder the names and addresses of stockholders owning or holding 1 percent or more of total amount of stock. If not owned by a corporation, the names and addresses of the individual owners must be given. If owned by a partnership or other unincorporated firm, its name and address, as well as that of each individual member, must be given.)

Name	Address
Trust of C. J. Stover, Proprietor	Jenkintown Garden Apts., Jenkintown, Pa.

3. The known bondholders, mortgagees, and other security holders owning or holding 1 percent or more of total amount of bonds, mortgages, or other securities are: (If there are none, so state.)

Name	Address
None	

4. Paragraphs 2 and 3 include, in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting; also the statements in the two paragraphs show the affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees, hold stock and securities in a capacity other than that of a bona fide owner.

5. The average number of copies of each issue of this publication sold or distributed, through the mails or otherwise, to paid subscribers during the 12 months preceding the date shown above was: (This information is required from daily, weekly, semiweekly, and triweekly newspapers only.)

E. E. Cox
(Signature of editor, publisher, business manager, or owner)

Sworn to and subscribed before me this 13th day of September, 1955.

[SEAL] Grace M. Wrigley

(My commission expires April 22, 1959)

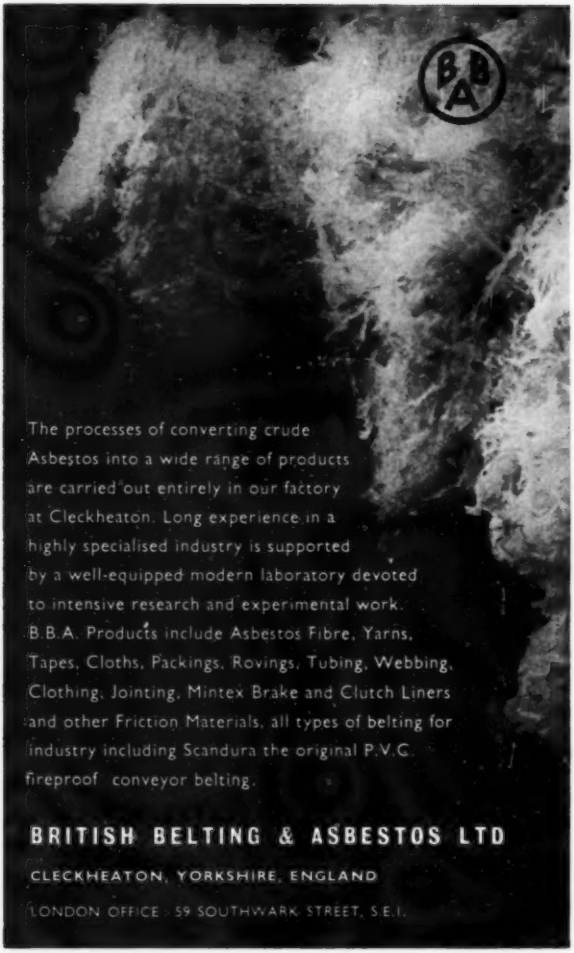
FORM 3526 (Rev. 1950) CLARENCE B. WRIGLEY, Notary Public PHILA., PHILA. CO., PA.

My Commission Expires Apr 22, 1959

IMPEX

Handelsgesellschaft — *Special Importers of Raw Asbestos* — **Donselmann & Michaelsen**

Bremen, Germany — **Lothringer Str. 42**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The processes of converting crude Asbestos into a wide range of products are carried out entirely in our factory at Cleckheaton. Long experience in a highly specialised industry is supported by a well-equipped modern laboratory devoted to intensive research and experimental work. B.B.A. Products include Asbestos Fibre, Yarns, Tapes, Cloths, Packings, Rovings, Tubing, Webbing, Clothing, Jointing, Mintex Brake and Clutch Liners and other Friction Materials, all types of belting for industry including Scandura the original P.V.C. fireproof conveyor belting.
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INSULATION DISTRIBUTOR-CONTRACTORS NATIONAL ASSOCIATION, INC.

The third general meeting of the INSULATION DISTRIBUTOR-CONTRACTORS ASSOCIATION, INC., was held September 15 and 16, 1955 in Pittsburgh, Pa. 116 representatives of Contractors ,and Manufacturers registered for the meeting which was almost double that at the Second General Meeting held last February in Chicago.

Mr. Hickory, Chairman of the Membership Committee, reviewed the growth of the membership over the past six months from 33 to 96, just four short of the goal of 100 at the Pittsburgh meeting. He advised that a brochure designed to sell the association to non members was being planned for publication during the coming months.

The Board of Directors and the Manufacturers Relations Committee held a joint meeting with the representatives of the Manufacturers of basic insulation materials.

D. W. JAQUAYS NAMED U. S. ADVISER

D. W. Jaquays, mining engineer and metallurgist, of 132 W. Granada. Phoenix, Arizona, has been appointed a member of the industrial advisory committee on asbestos, according to a recent announcement by Douglas McKay, secretary of the interior.

Mr. Jaquays will serve as an adviser to the minerals mobilization board in working out a long range program for mining asbestos and other minerals.

CAREY'S NINE MONTHS REPORT

Report for the nine months ending September 30, 1955 was issued Oceober 31 by the Philip Carey Mfg. Company and gives the following figures:

Sales	$49,867,138
Compared with same period in 1954	40,598,940
Ne earnings after income taxes	2,046,321
Compared with same period in 1954	1,822,883
Earnings per common share	2.34
Compared with same period in 1954	2.20

PABCO DIRECTORS RE-ELECTED

At the annual meeting of stockholders of Pabco Products Inc., held recently, all Directors were re-elected, and officers of the company were later re-appointed by the Directors.

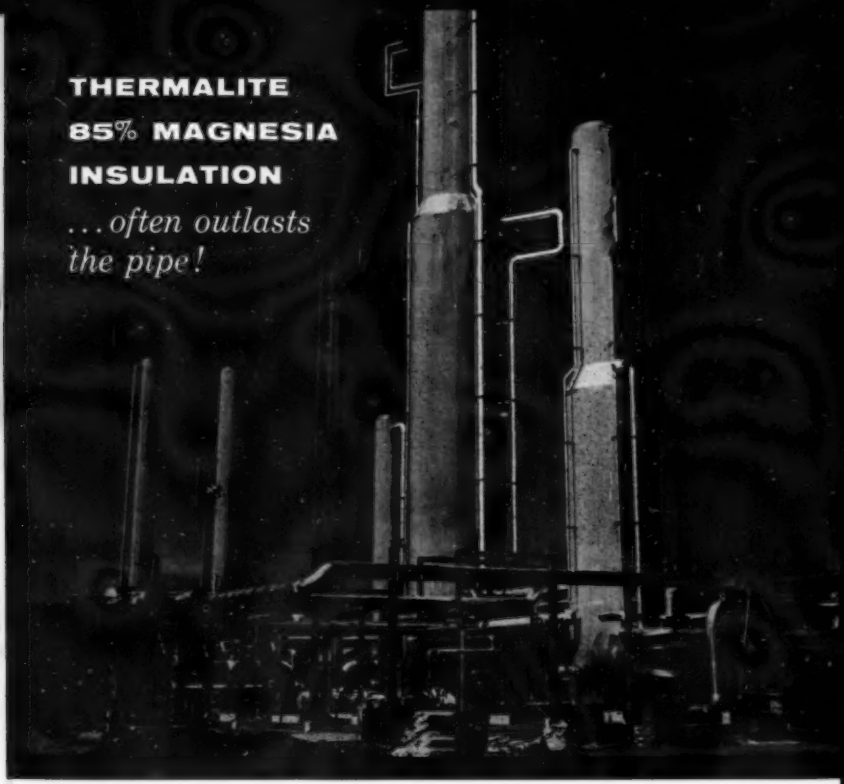
Asbestos Exploration Mine Development

WILLIAM B. MILLAR

Consulting Geologist

Mail Address: Room 1050

161 EAST 42nd ST. NEW YORK 17, N. Y.



Southern Production Co. Gasoline Plant, Pledger, Texas

THERMALITE 85% Magnesia frequently outlives equipment and piping. And only Ehret makes it. Moisture resistant and durable, shock resistant and structurally stable, THERMALITE makes your first cost your last. Teamed with sheet aluminum for protection against temperature extremes, sandstorms and tornadoes, THERMALITE is used throughout this Texas refinery to *keep heat balances constant.* For more information on Ehret THERMALITE, see your distributor or write for Bulletin 9C.

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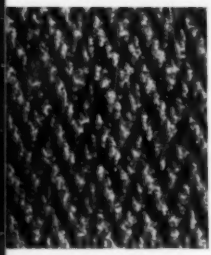

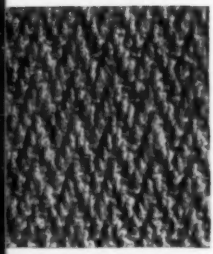

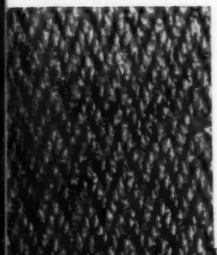

Originally designed and developed for safety clothing, Southern's Herringbone Weave Asbestos Cloth has many other uses because of its fine texture and high tensile strength.

Made to prevent excessive ravelling; constructed for maximum resistance; smooth, closely-woven texture—all result in a stronger, more durable cloth. Write for Folder No. 1005.

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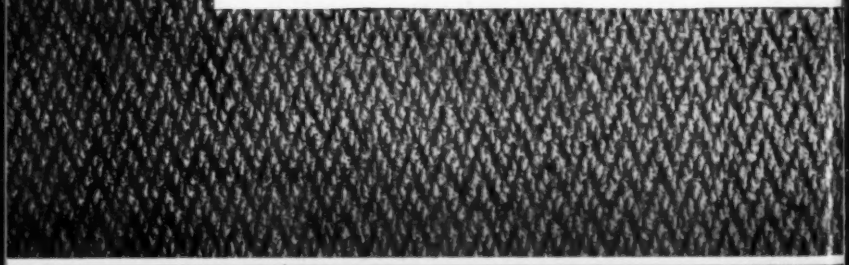
THREAD • CORD • YARNS • ROPE
TUBING
CARDED FIBRE • LISTING TAPE • WICKING

Southern Asbestos, with over 25 years of specialized experience in developing and manufacturing Asbestos Textiles and Textile Products, will be glad to work with you on problems involving new uses or better uses for asbestos fibres and textiles.



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